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State of Ohio Environmental Protection Agency

Plut Plan Geographic

FINAL TITLE V PERMIT

Issue Date: 07/27/01

Effective Date: 07/27/01

Expiration Date: 07/27/06

This document constitutes issuance of a Title V permit for Facility ID: 02-47-04-0195 to: HARSHAW CHEMICAL CO. AKA ENGELHARD CORPORATION 120 PINE STREET

Confirm MSDS

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

B006 (#2 BOILER (E-91)) #2 BOILER (E-91)

ELYRIA, OH 44035

P002 (CER COLOR BLENDING (E-6)) WEIGHSCALE AND BLENDER IN BLDG. 10

P003 (CER COLOR MILLING (E-7)) MICROPULVASIZER IN BLDG. 10A

P005 (TUNNEL KILN #4 (E-9)) #4 TUNNEL KILN IN BLDG. 10

POO6 (COPPER CALCINER (E-10)) ROTARY CALCINER IN BLDG. 26

P009 (ROTARY CALCINER #4*(E-13-1)) GENERAL CATALYST CALCINER #4 IN BLDG.

P010 (ROTARY CALCINER #1)E-14))
GENERAL CATALYST CALCINER # 1 IN BLDG.

P018 (COPPER/ALUMINA DRIER (E-22)) WYSSMONT DRIER IN BLDG. 10

P022 (CU/BI CALCINERS (E-26)) CU/BI CALCINERS (E-26)

P024 (GEN CAT REACTION TANKS (E-28)) GEN CAT REACTION TANKS (E-28)

P025 (GEN CAT MIXERS (E-29)) LITTLEFORD MIXERS B-3 AND B-4

P026 (GEN CAT BLENDERS (E-30)) DOUBLE CONE BLENDERS B-1 AND B-2

P028 (GEN CAT EXTRUDERS (E-32)) GEN CAT EXTRUDERS (E-32)

P030 (CER COLOR BLEND AND MILL (E-34)) MIKROPULVERIZER AND CINCINNATUS MIXER IN BLDG. 10A P031 (CER COLOR BLEND, CRUSH, MILL (E-35)) BLENDERS 1,2; PULVERIZERS M-1 &M-2; CRUSHER IN BLDG, 10A

P050 (MISC TABLET MIX EQUIPT (E-54)) GRANULATORS, CRUSHER BRIQUETTOR

P051 (MISC TABLET MIXING (E-55)) J.H.DAY BLENDERS

P653 (NICKELTABLET SYSTEM (EST))
% DH MILLSAUBBON BLENDER, TABLET
MACHINES

POS4 (IRON ROOM TABLET (E-58)) IRON ROOM TABLET (E-58),

POSS (ZINC TĂBLET MIX (E-59)) ZÎNG TĂBLET MIX (E-59)

POSK (LUNCH ROOM TABLET (E-60) LUNCH ROOM TABLET (P-60)

P058 (CER COLOR PULVERIZER (E-62))
CER COLOR PULVERIZER (E-62)

P059 (COLOR JETMILL (E-94)) COLOR JETMILL (E-94)

P068 (WOLV DRY AND VERT CALC (E-75))
Wolverine Dryer and Verticle Calciner

P069 (P-K BLENDER (E-76)) #2 PK Blender (Copper on alumina)

P070 (CU/CR STRIKE (E-77)) Copper Chromite Strike Tanks

P077 (P&S DRIER IN HC-11 (E-84)) P & S Dryer in HC-11

P080 (ROTARY CALCINE (#3)(E-13)) MISCELLANEOUS CATALYSIS P083 (SHUTTLE KILN #1 (E-88)) Shuttle kiln #1

P086 (GEN CAT P&S DRYERS #2 & #3) General Catalyst Dryers

P089 (#2 SHUTTLE KILN (E-92)) #2 Shuttle Kiln

P094 (SPIN FLASH DRIER (E-100)) Spin Flash Dryer

P095 (COPPER CALCINER #2 (E-101)) Copper Calciner # 2, 4.0 MMBtu/hr, indirect-fired

F097 BLDG 24 WEST TABLETTING)

PO98 (BLDG 25 EAST, TABLETTING) Hanneling 3 Tableting

P099 (PK BLENDER #2 (E-103)) 65 Cubic Foot PK Blender

P100 (TUNNEL KILN #2 (E-8)) Natural gas fired tunnel kiln in Bldg. 10, 2.8 MMBtu/hr, direct-fired

P101 (TUNNEL KILN #3 (E-8))
Natural gas fired tunnel kiln in Bldg. 10, 2.8
MMBtu/hr, direct-fired

P102 (ROTARY CALCINER #2) GENERAL CATALYST CALCINER #2 IN BLDG.

P103 (ROTARY CALCINER #3) GENERAL CATALYST CALCINER # 3 IN BLDG.

P104 (IRON CATALYST MIXING (E-104)) IRON CATALYST MIXING

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A), and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal

application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Northeast District Office 2110 East Aurora Road Twinsburg, OH 44087 (330) 425-9171

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones

Director

CORPORATION Facility ID: 02-47-04-0195

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original stripchart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - Quarterly written reports of (i) any deviations from federally enforceable emission ii. limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
 - iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to

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the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

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6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.

Final Title V Permit - General Terms and Conditions

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10. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

- b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.
- c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

11. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

12. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

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ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

- iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
- iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:
 - i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
 - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

13. Permit Shield

a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but

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excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

15. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

16. Off Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;
- b. The permittee provides contemporaneous written notice of the change to the director and the administrator, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or

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pollutants emitted, and any federally applicable requirement that would apply as a result of the change;

- c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);
- d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and
- e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

17. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

18. Insignificant Activity

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.

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B. State Only Enforceable Section

1. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with

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this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Additional Reporting Requirements When There Are No Deviations of <u>Federally Enforceable</u> Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

Facility ID:

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Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

None

B. State Only Enforceable Section

The following insignificant emissions units are located at this facility: 1.

P001- color tray drying (E-5)

P027- tray dryers, littleford mixer (E-31)

P049- HC-11 tanks (E-53) P057- TCP blend & sluger (E-61)

P071- ceramic color dryer #9 (E-83)

P072- waste shredder (E-80)

P079- general catalyst dryers #4,#5 (E-86)

P081- nitric acid dilution (E-87)

P082- ZR sinter furnace (E-89)

P084- ammonia stripper in WWTP (E-93)

P085- 12 inch rotary calciner (E-95)

P088- fast fire kiln (E-90)

P090- reduction towers (E-98)

P091- elevator kilns (E-96)

P092-#6 rotary calciner (É-97)

P093- Black furnaces (E-99)

P096- Horne tabletting machines (E-102)

T001- sulfuric acid storage tank

Z001- Kewanee boiler, rated at 8.6 MMBTU/hr

Z002 - Kewanee boiler, rated at 8.6 MMBTU/hr

Z003 - Kewanee boiler, rated at 8.6 MMBTU/hr

Z004 - Kewanee boiler, rated at 8.6 MMBTU/hr

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emissions limitations and/or control requirements contained within a Permit to Install for the emissions unit.

- The permittee is hereby notified that this permit and all Agency records covering the operation of this permitted 2. source are subject to public disclosure in accordance with OAC rule 3745-49-03.
- The permittee shall follow all requirements of its approved Preventive Maintenance and Malfunction 3. Abatement Plan (PMMAP), submitted August 9, 1991, for its air pollution control equipment.

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Emissions Unit: #2 BOILER (E-91) (B006)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

#2 BOILER (E-91) (B006)

Activity Description:

#2 BOILER (E-91)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
31.3 MMBTU/hr boiler, fired by natural gas or #2 fuel oil; boiler #2	OAC rule 3745-17-10(B)(1)	particulate matter emissions shall not exceed 0.020 lb/MMBTU actual heat input
	OAC rule 3745-18-53 (A)(1)	sulfur dioxide emissions shall not exceed 3.21 lbs/MMBTU actual heat input
	OAC rule 3745-17-07(A)(1)	visible particulate matter emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 3.21 pounds of sulfur dioxide per mmBtu of actual heat input.
- 2. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. Requirements for the Sampling and Analysis of the Oil Burned

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

2. Record keeping Requirements for Oil Usage and Quality

For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

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Terms and Conditions for Emissions Units

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Emissions Unit: #2 BOILER (E-91) (B006)

III. Monitoring and/or Record Keeping Requirements (continued)

3. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. Reporting Requirements for the Oil Usage and Quality Data

The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

- a. the total quantity of oil received in each shipment (gallons);
- b. the weighted* average sulfur dioxide emission rate (pounds/mmBtu) for the oil received during each calendar month; and
- the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

- 1. Compliance with the particulate matter emission limitation of 0.020 lb/MMBTU actual heat input shall be determined in accordance with OAC rule 3745-17-03(B)(9). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emission limit in Section A.I.
- Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.
- Compliance with the sulfur dioxide emission limitation of 3.21 lbs/MMBTU actual heat input shall be determined in accordance with the record keeping requirements in section A.III of this permit. If stack testing is required to demonstrate compliance with the allowable emission limit, testing shall be conducted in accordance with OAC rule 3745-18-04(E)(1).

VI. Miscellaneous Requirements

Facility ID: 02-47-04-0195

Emissions Unit: #2 BOILER (E-91) (B006)

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

31.3 MMBTU/hr boiler, fired by natural gas or #2 fuel oil; boiler #2

OAC rule 3745-31-05 PTI 02-3169 See B.I.2.a.

2. Additional Terms and Conditions

2.a Annual emissions of sulfur dioxide shall not exceed 24.9 tons per year.

II. Operational Restrictions

- 1. The amount of #2 fuel oil burned in this emissions unit shall not exceed 1,062,274 gallons per year.
- The sulfur content of the #2 fuel oil shall not exceed 0.33%.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the amount of #2 fuel oil burned in this emissions unit.

IV. Reporting Requirements

- The permittee shall submit annual reports which identify any exceedances of the annual oit usage limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
- The permittee shall submit deviation (excursion) reports whenever an oil is received with a sulfur content greater than 0.33%. This report shall include: the actual sulfur content of the oil received and the amount of oil received. The report shall be submitted to the Ohio EPA. Northeast District within 30 days of the deviation.

V. Testing Requirements

Emission Limitation: 24.9 tons SO2/year

Applicable Compliance Method: Compliance with above emission limitation shall be demonstrated by the use of the records kept and the following equation:

SO2 emissions (tons/yr) = $V \times H^* \times ER^* \times (1/1000000) \times (1/2000)$

where:

V = volume of oil burned annually (gallons)

H* = volume-weighted average heat content (BTU/gal) based on all oil received in the year

ER* = volume-weighted average emission rate (lbs SO2/MMBTU heat input) based on all oil received in the year

Facility ID: 02-47-04-0195

Emissions Unit: #2 BOILER (E-91) (B006)

VI. Miscellaneous Requirements
None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: CER COLOR BLENDING (E-6) (P002)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

CER COLOR BLENDING (E-6) (P002)

Activity Description:

WEIGHSCALE AND BLENDER IN BLDG. 10

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations,	Property,
and/or Equ	uipment 💮

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

Weighscale and blender in bldg. 10, with a fabric filter baghouse

OAC rule 3745-17-11(B)(1)

OAC rule 3745-17-07(A)(1)

Emissions of particulate matter shall not exceed 1.45 pounds per hour Visible particulate emissions shall

not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions:
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR BLENDING (E-6) (P002)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 1.45 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR BLENDING (E-6) (P002)

B. State Enforceable Section

- I. Applicable Emissions Limitations and/or Control Requirements
 - 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Applicable Emissions

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR MILLING (E-7) (P003)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

CER COLOR MILLING (E-7) (P003)

Activity Description:

MICROPULVASIZER IN BLDG. 10A

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control Measures
Micropulverizer in bldg. 10A, with a fabric filter baghouse	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.15 pounds per hour
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR MILLING (E-7) (P003)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 1.15 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: CER COLOR MILLING (E-7) (P003)

B. State Enforceable Section

Applicable Emissions Limitations and/or Control Requirements

The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

> Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Applicable Emissions

Facility ID: 02-47-04-0195

Emissions Unit: TUNNEL KILN #4 (E-9) (P005)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

TUNNEL KILN #4 (E-9) (P005)

Activity Description:

#4 TUNNEL KILN IN BLDG. 10

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control Measures
Tunnel kiln #4 in bld. 10, with a fabric filter baghouse	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.51 pounds per hour
•	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: TUNNEL KILN #4 (E-9) (P005)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 1.51 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: TUNNEL KILN #4 (E-9) (P005)

B. State Enforceable Section

- I. Applicable Emissions Limitations and/or Control Requirements
 - 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID:

02-47-04-0195

Emissions Unit: COPPER CALCINER (E-10) (P006)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

COPPER CALCINER (E-10) (P006)

Activity Description:

ROTARY CALCINER IN BLDG. 26

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Rotary calciner in bldg. 26, with two fabric filter baghouses (process equipment)	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.62 pounds per hour
Rotary calciner in bldg. 26 (fuel burning equipment)	OAC rule 3745-17-10(A)(1)	Emissions of particulate matter shall not exceed 0.020 lb/MMBTU actual heat input
Rotary calciner in bldg. 26 (all equipment)	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

- 1. The permittee shall burn only natural gas in this emissions unit.
- The pressure drop across each baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a
 record of the type and quantity of fuel burned in this emissions unit.
- 2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouses while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

IV. Reporting Requirements

- The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural
 gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs
- The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouses did not comply with the allowable range specified above.

Facility ID: 02-47-04-0195

Emissions Unit: COPPER CALCINER (E-10) (P006)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 1.62 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

- Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.
- 3. Compliance with the particulate matter emission limitation of 0.020 lb/MMBTU actual heat input shall be determined in accordance with OAC Rule 3745-17-03(B)(9). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC Rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: COPPER CALCINER (E-10) (P006)

B. State Enforceable Section

- I. Applicable Emissions Limitations and/or Control Requirements
 - 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID: 02-47-04-0195

Emissions Unit: ROTARY CALCINER #4 (E-13-1) (P009)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

ROTARY CALCINER #4 (E-13-1) (P009)

Activity Description:

GENERAL CATALYST CALCINER #4 IN BLDG. 16

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
General catalyst calciner #4 in bldg. 16 with a fabric filter baghouse (process equipment)	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.62 pounds per hour
General catalyst calciner #4 in bldg. 16 (fuel burning equipment)	OAC rule 3745-17-10(A)(1)	Emissions of particulate matter shall not exceed 0.020 lb/MMBTU actual heat input.
General catalyst calciner #4 in bldg. 16 (all equipment)	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

- 1. The permittee shall burn only natural gas in this emissions unit.
- The pressure drop across the baghouse shall be maintained within the range of 0.3 to 4.5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a
 record of the type and quantity of fuel burned in this emissions unit.
- The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
- 3. On at least one day of each calendar quarter (January through March, April through June, July through September, and October through December), the permittee shall determine the opacity of the stack gases, in accordance with U.S. EPA Reference Method 9, for a period of not less than sixty consecutive minutes while the emissions unit is in operation. The process weight rate and the type of material being calcined shall be recorded for the period during which the stack gases' opacity was recorded.

Facility ID: 02-47-04-0195

Emissions Unit: ROTARY CALCINER #4 (E-13-1) (P009)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs

- The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
- 3. The permittee shall submit opacity deviation (excursion) reports that identify all periods of time during which the emissions unit did not comply with the opacity limit specified above. These reports shall include the average opacity observed, in six-minute blocks, the process weight rate during the observation period and the type of material being processed.

V. Testing Requirements

- 1. Compliance with the particulate matter emission limitation of 1.62 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.
- 2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9.
- 3. Compliance with the particulate matter emission limitation of 0.020 lb/MMBTU actual heat input shall be determined in accordance with OAC rule 3745-17-03(B)(9). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

VI. Miscellaneous Regulrements

Facility ID:

02-47-04-0195

Emissions Unit: ROTARY CALCINER #4 (E-13-1) (P009)

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

General catalyst calciner #4 in bldg. 16 with a Trimer scrubber for NOx control (process equipment) OAC rule 3745-31-05 PTI 19-113

2. Additional Terms and Conditions

None

II. Operational Restrictions

Trimer Scrubber Operational Restrictions

The pressure drop across the first stage of the scrubber shall be continuously maintained between 0 and 1.5 inches of water at all times while the emissions unit is in operation.

The pressure drop across the second stage of the scrubber shall be continuously maintained between 1 and 4 inches of water at all times while the emissions unit is in operation.

The pressure drop across the third stage of the scrubber shall be continuously maintained between 3 and 6 inches of water at all times while the emissions unit is in operation.

The scrubber water flow rate to each stage of the scrubber shall be continuously maintained at a value of not less than 50 gallons per minute at all times while the emissions unit is in operation.

2. Trimer pH Operational Restrictions

The pH of the scrubber liquor shall be maintained between 10 and 13 s.u.

III. Monitoring and/or Record Keeping Requirements

1. Trimer Scrubber Monitoring and Recordkeeping Requirements

The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber stages and the scrubber water flow rate to each stage while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day (at a minimum):

- a. The pressure drop across each stage of the scrubber, in inches of water, on a once per shift basis.
- The scrubber water flow rate to each stage of the scrubber, in gallons per minute, on a once per shift basis.
- c. The operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

Facility ID: 02-47-04-0195

Emissions Unit: ROTARY CALCINER #4 (E-13-1) (P009)

III. Monitoring and/or Record Keeping Requirements (continued)

2.a. Trimer scrubber pH Monitoring and Recordkeeping Requirements

The permittee shall properly operate and maintain equipment to continuously monitor and record the pH of the scrubber liquor white the emissions unit is in operation. The pH monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

2.b. The permittee shall record the pH of the scrubber liquor on a once per shift basis.

IV. Reporting Requirements

1. Trimer Scrubber Reporting Requirements

The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at the required levels:

- a. The static pressure drop across each scrubber stage.
- The scrubber water flow rate to each stage.
- 2. Trimer Scrubber pH Reporting Requirements

The permittee shall submit pH deviation (excursion) reports that identify all periods of time during which the scrubber liquor pH did not comply with the pH requirements specified above.

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID:

02-47-04-0195

Emissions Unit: ROTARY CALCINER #1 (E-14) (P010)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

ROTARY CALCINER #1 (E-14) (P010)

Activity Description:

GENERAL CATALYST CALCINER # 1 IN BLDG. 31

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Rotary calciner #1 in bldg. 31 with a fabric filter baghouse (process equipment)	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.62 pounds per hour
Rotary calciner #1 in bldg. 31(fuel burning equipment)	OAC rule 3745-17-10(A)(1)	Emissions of particulate matter shall not exceed 0.020 lb/MMBTU actual heat input
Rotary calciner #1 in bldg. 31(all equipment)	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

The permittee shall burn only natural gas in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

- For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a
 record of the type and quantity of fuel burned in this emissions unit.
- 2. Monitoring and/or Record Keeping Requirements for process equipment

The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack(s) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

Facility ID: 02-47-04-0195

Emissions Unit: ROTARY CALCINER #1 (E-14) (P010)

III. Monitoring and/or Record Keeping Requirements (continued)

3. On at least one day of each calendar quarter (January through March, April through June, July through September, and October through December), the permittee shall determine the opacity of the stack gases, in accordance with U.S. EPA Reference Method 9, for a period of not less than sixty consecutive minutes while the emissions unit is in operation. The process weight rate and the type of material being calcined shall be recorded for the period during which the stack gases' opacity was recorded.

IV. Reporting Requirements

- The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural
 gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs
- 2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack(s) serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
- 3. The permittee shall submit opacity deviation (excursion) reports that identify all periods of time during which the emissions unit did not comply with the opacity limit specified above. These reports shall include the average opacity observed, in six-minute blocks, the process weight rate during the observation period and the type of material being processed.

V. Testing Requirements

- 1. Compliance with the particulate matter emission limitation of 1.62 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.
- 2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9.
- 3. Compliance with the particulate matter emission limitation of 0.020 lb/MMBTU actual heat input shall be determined in accordance with OAC rule 3745-17-03(B)(9). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

VI. Miscellaneous Requirements

None

02-47-04-0195 Facility ID:

Emissions Unit: ROTARY CALCINER #1 (E-14) (P010)

B. State Enforceable Section

Applicable Emissions Limitations and/or Control Requirements

The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

> Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

Rotary calciner #1 in bldg. 31 with F-1 scrubber and Trimer scrubber for NOx control (process equipment)

2. Additional Terms and Conditions

None

Operational Restrictions

Trimer Scrubber Operational Restrictions 1.

> The pressure drop across the first stage of the scrubber shall be continuously maintained between 0 and 1.5 inches of water at all times while the emissions unit is in operation.

The pressure drop across the second stage of the scrubber shall be continuously maintained between 1 and 4 inches of water at all times while the emissions unit is in operation.

The pressure drop across the third stage of the scrubber shall be continuously maintained between 3 and 6 inches of water at all times while the emissions unit is in operation.

The scrubber water flow rate to each stage of the scrubber shall be continuously maintained at a value of not less than 50 gallons per minute at all times while the emissions unit is in operation.

Trimer pH Operational Restrictions 2,

The pH of the scrubber liquor shall be maintained between 10 and 13 s.u.

III. Monitoring and/or Record Keeping Requirements

Trimer Scrubber Monitoring and Recordkeeping Requirements 1.

> The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber stages and the scrubber water flow rate to each stage while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day (at a minimum):

- The pressure drop across each stage of the scrubber, in inches of water, on a once per shift basis.
- The scrubber water flow rate to each stage of the scrubber, in gallons per minute, on a once per shift basis.
- The operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

Facility ID: 02-47-04-0195

Emissions Unit: ROTARY CALCINER #1 (E-14) (P010)

III. Monitoring and/or Record Keeping Requirements (continued)

2.a. Trimer scrubber pH Monitoring and Recordkeeping Requirements

The permittee shall properly operate and maintain equipment to continuously monitor and record the pH of the scrubber liquor while the emissions unit is in operation. The pH monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall record the pH of the scrubber liquor on a once per shift basis.

IV. Reporting Requirements

Trimer Scrubber Reporting Requirements

The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at the required levels:

- The static pressure drop across each scrubber stage.
- b. The scrubber water flow rate to each stage.
- 2. Trimer Scrubber pH Reporting Requirements

The permittee shall submit pH deviation (excursion) reports that identify all periods of time during which the scrubber liquor pH did not comply with the pH requirements specified above.

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID:

02-47-04-0195

Emissions Unit: COPPER/ALUMINA DRIER (E-22) (P018)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

COPPER/ALUMINA DRIER (E-22) (P018)

Activity Description:

WYSSMONT DRIER IN BLDG. 10

A. State and Federally Enforceable Section

Applicable Emissions Limitations and/or Control Requirements

The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations,	Property,
and/or Equ	uipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

Wyssmont tray dryer in bldg. 10 with OAC rule 3745-17-11(B)(1) a fabric filter baghouse

OAC rule 3745-17-07(A)(1)

Emissions of particulate matter shall not exceed 2.31 pounds per hour Visible particulate emissions shall not exceed 20% opacity as a

six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

Operational Restrictions

The pressure drop across the baghouse shall be maintained within the range of 1 to 6 inches of water while 1. the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

The permittee shall properly operate and maintain equipment to monitor the pressure drop across the 1. baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

IV. Reporting Requirements

The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during 1. which the pressure drop across the baghouse did not comply with the allowable range specified above.

V. Testing Requirements

- Compliance with the particulate matter emission limitation of 2.31 pounds per hour shall be determined in 1. accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.
- Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by 2. the Ohio EPA.

Facility ID: 02-47-04-0195

Emissions Unit: COPPER/ALUMINA DRIER (E-22) (P018)

VI. Miscellaneous Requirements

None

Title V Final Permit Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: COPPER/ALUMINA DRIER (E-22) (P018)

B. State Enforceable Section

- Applicable Emissions Limitations and/or Control Requirements
 - The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID: 02-47-04-0195

Emissions Unit: CU/BI CALCINERS (E-26) (P022)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

CU/BI CALCINERS (E-26) (P022)

Activity Description:

CU/BI CALCINERS (E-26)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Four copper-bismuth calciners	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 0.551 pound per hour
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: CU/BI CALCINERS (E-26) (P022)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 0.551 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: CU/BI CALCINERS (E-26) (P022)

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are fisted in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

Four copper-bismuth calciners with a packed tower scrubber for NOx control

2. Additional Terms and Conditions

None

II. Operational Restrictions

Wet Scrubber pH Operational Restrictions

The pH of the scrubber liquor shall be maintained within the range of 12 to 14 s.u.

- The pressure drop across the scrubber shall be continuously maintained at a value of not less than 2 inches of water at all times while the emissions unit is in operation.
- The scrubber water flow rate shall be continuously maintained at a value of not less than 30 gallons per minute at all times while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. Wet Scrubber pH Monitoring and Recordkeeping Requirements

The permittee shall properly operate and maintain equipment to continuously monitor and record the pH of the scrubber liquor while the emissions unit is in operation. The pH monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. The pH of the scrubber liquor, on a once per shift basis.
- b. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
- The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information once each week:

- a. The pressure drop across the scrubber, in inches of water.
- b. The scrubber water flow rate, in gallons per minute.

Facility ID: 02-47-04-0195

Emissions Unit: CU/BI CALCINERS (E-26) (P022)

IV. Reporting Requirements

- The permittee shall submit pH deviation (excursion) reports that identify all periods of time during which the scrubber liquor pH did not comply with the pH requirements specified above.
- 2. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
 - a. The static pressure drop across the scrubber.
 - b. The scrubber water flow rate.

V. Testing Requirements

None

VI. Miscellaneous Requirements

Applicable Emissions

Facility ID: 02

): 02-47-04-0195

Emissions Unit: GEN CAT REACTION TANKS (E-28) (P024)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

GEN CAT REACTION TANKS (E-28) (P024)

Activity Description:

GEN CAT REACTION TANKS (E-28)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control Measures
Four reaction tanks in general catalyst with a wet scrubber	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.51 pounds per hour
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions:
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: GEN CAT REACTION TANKS (E-28) (P024)

V. Testing Requirements

 Compliance with the particulate matter emission limitation of 1.51 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195 Emissions Unit: GEN CAT REACTION TANKS (E-28) (P024)

B. State Enforceable Section

Applicable Emissions Limitations and/or Control Requirements

The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

> Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID:

02-47-04-0195

Emissions Unit: GEN CAT MIXERS (E-29) (P025)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

GEN CAT MIXERS (E-29) (P025)

Activity Description:

LITTLEFORD MIXERS B-3 AND B-4

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
B-3 and B-4 Littleford mixers in general catalyst with two fabric filter baghouses and a wet scrubber	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 2.31 pounds per hour
bagilousse and a mercenesse	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: GEN CAT MIXERS (E-29) (P025)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 2.31 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: GEN CAT MIXERS (E-29) (P025)

B. State Enforceable Section

- I. Applicable Emissions Limitations and/or Control Requirements
 - 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID:

02-47-04-0195

Emissions Unit: GEN CAT BLENDERS (E-30) (P026)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

GEN CAT BLENDERS (E-30) (P026)

Activity Description:

DOUBLE CONE BLENDERS B-1 AND B-2

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations,	Property,
and/or Equ	uipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

B-1 and B-2 double cone blenders in general catalyst with a wet scrubber

B-1 and B-2 double cone blenders in OAC rule 3745-17-11(B)(1)

OAC rule 3745-17-07(A)(1)

Emissions of particulate matter shall not exceed 2.31 pounds per hour Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as

provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions:
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: GEN CAT BLENDERS (E-30) (P026)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 2.31 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: GEN CAT BLENDERS (E-30) (P026)

B. State Enforceable Section

- Applicable Emissions Limitations and/or Control Requirements
 - The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID: 02-47-04-0195

Emissions Unit: GEN CAT EXTRUDERS (E-32) (P028)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

GEN CAT EXTRUDERS (E-32) (P028)

Activity Description:

GEN CAT EXTRUDERS (E-32)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property,
and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

Five extruders in general catalyst with a fabric filter baghouse

OAC rule 3745-17-11(B)(1)

OAC rule 3745-17-07(A)(1)

Emissions of particulate matter shall not exceed 3.38 pounds per hour Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as

provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: GEN CAT EXTRUDERS (E-32) (P028)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 3.38 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: GEN CAT EXTRUDERS (E-32) (P028)

B. State Enforceable Section

- Applicable Emissions Limitations and/or Control Requirements
 - The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Applicable Emissions

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR BLEND AND MILL (E-34) (P030)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

CER COLOR BLEND AND MILL (E-34) (P030)

Activity Description:

MIKROPULVERIZER AND CINCINNATUS MIXER IN BLDG. 10A

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions timitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control Measures
Micropulverizer and mixer in bldg. 10A with a fabric filler baghouse	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 2.31 pounds per hour
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR BLEND AND MILL (E-34) (P030)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 2.31 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR BLEND AND MILL (E-34) (P030)

B. State Enforceable Section

- I. Applicable Emissions Limitations and/or Control Requirements
 - 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

Vi. Miscellaneous Requirements

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR BLEND, CRUSH, MILL (E-35) (P031)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: CER COLOR BLEND, CRUSH, MILL (E-35) (P031)

Activity Description: BLENDERS 1,2; PULVERIZERS M-1 &M-2; CRUSHER IN BLDG. 10A

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Two blenders, two pulverizers, crusher in bldg. 10A with a fabric filter baghouse	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.26 pounds per hour
into bugnoos	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR BLEND, CRUSH, MILL (E-35) (P031)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 1.26 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR BLEND, CRUSH, MILL (E-35) (P031)

B. State Enforceable Section

- I. Applicable Emissions Limitations and/or Control Requirements
 - 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

Vi. Miscellaneous Requirements

Applicable Emissions

provided by rule

Facility ID:

02-47-04-0195

Emissions Unit: MISC TABLET MIX EQUIPT (E-54) (P050)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

MISC TABLET MIX EQUIPT (E-54) (P050)

Activity Description:

GRANULATORS, CRUSHER BRIQUETTOR

A. State and Federally Enforceable Section

Applicable Emissions Limitations and/or Control Requirements

The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control <u>Measures</u>
Granulators, crusher and briquettor with three fabric filter baghouses	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.15 pounds per hour
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as

2. Additional Terms and Conditions

None

Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather 1. conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. If the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

The permittee shall submit semiannual written reports which (a) identify all days during which any visible 1. particulate emissions were observed from the stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: MISC TABLET MIX EQUIPT (E-54) (P050)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 1.15 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: MISC TABLET MIX EQUIPT (E-54) (P050)

B. State Enforceable Section

- Applicable Emissions Limitations and/or Control Requirements
 - The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in 1. the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID:

02-47-04-0195

Emissions Unit: MISC TABLET MIXING (E-55) (P051)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

MISC TABLET MIXING (E-55) (P051)

Activity Description:

J.H.DAY BLENDERS

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property,
and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

J.H. Day blenders with a fabric filter baghouse

OAC rule 3745-17-11(B)(1)

OAC rule 3745-17-07(A)(1)

Emissions of particulate matter shall not exceed 2.31 pounds per hour Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions:
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: MISC TABLET MIXING (E-55) (P051)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 2.31 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: MISC TABLET MIXING (E-55) (P051)

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Applicable Emissions

Facility ID:

Emissions Unit: NICKEL TABLET SYSTEM (E-57) (P053)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

NICKEL TABLET SYSTEM (E-57) (P053)

Activity Description:

2 DH MILL; RIBBON BLENDER; TABLET MACHINES

A. State and Federally Enforceable Section

Applicable Emissions Limitations and/or Control Requirements

The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control Measures
2 DH mill, blender, tablet machines with two fabric filter baghouses	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.02 pounds per hour
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: NICKEL TABLET SYSTEM (E-57) (P053)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 1.02 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.1.

2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: NICKEL TABLET SYSTEM (E-57) (P053)

B. State Enforceable Section

- Applicable Emissions Limitations and/or Control Requirements
 - The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Applicable Emissions

provided by rule

Facility ID: 02-47-04-0195

Emissions Unit: IRON ROOM TABLET (E-58 (P054)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

IRON ROOM TABLET (E-58 (P054)

Activity Description:

IRON ROOM TABLET (E-58

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control Measures
Iron room tableting operation with three fabric filter baghouses	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.02 pounds per hour
-	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions:
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: IRON ROOM TABLET (E-58 (P054)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 1.02 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: IRON ROOM TABLET (E-58 (P054)

B. State Enforceable Section

- Applicable Emissions Limitations and/or Control Requirements
 - The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID: 02-47-04-0195

Emissions Unit: ZINC TABLET MIX (E-59) (P055)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

ZINC TABLET MIX (E-59) (P055)

Activity Description:

ZINC TABLET MIX (E-59)

A. State and Federally Enforceable Section

Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control Measures
Zinc catalyst tableting operation with a fabric filter baghouse and a wet scrubber	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.62 pounds per hour
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform weeky checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: ZINC TABLET MIX (E-59) (P055)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 1.62 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: ZINC TABLET MIX (E-59) (P055)

B. State Enforceable Section

- Applicable Emissions Limitations and/or Control Requirements
 - The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID: 02-47-04-0195

Emissions Unit: LUNCH ROOM TABLET (E-60) (P056)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

LUNCH ROOM TABLET (E-60) (P056)

Activity Description:

LUNCH ROOM TABLET (E-60)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements
Miscellaneous catalyst tableting	OAC rule 3745-17-11(B)(1)

Applicable Emissions Limitations/Control Measures

OAC rule 3745-17-07(A)(1)

Emissions of particulate matter shall not exceed 0.72 pound per hour Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Facility ID: 02-47-04-0195

Emissions Unit: LUNCH ROOM TABLET (E-60) (P056)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 0.72 pound per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohlo EPA.

VI. Miscellaneous Requirements

None

Facility ID: 02-47-04-0195

Emissions Unit: LUNCH ROOM TABLET (E-60) (P056)

B. State Enforceable Section

- I. Applicable Emissions Limitations and/or Control Requirements
 - 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Applicable Emissions

Facility ID:

02-47-04-0195

Emissions Unit: CER COLOR PULVERIZER (E-62) (P058)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

CER COLOR PULVERIZER (E-62) (P058)

Activity Description:

CER COLOR PULVERIZER (E-62)

A. State and Federally Enforceable Section

Applicable Emissions Limitations and/or Control Requirements

The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in 1. the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control Measures
Ceramic color pulverizer with two fabric filter baghouses	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 0.66 pound per hour
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather 1. conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

The permittee shall submit semiannual written reports which (a) identify all days during which any visible 1. particulate emissions were observed from the stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

Title V Final Permit Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: CER COLOR PULVERIZER (E-62) (P058)

V. Testing Requirements

1. Compliance with the particulate matter emission limitation of 0.66 pound per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

2. Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

VI. Miscellaneous Requirements

None

Title V Final Permit
Terms and Conditions for Emissions Units

Facility ID:

02-47-04-0195

Emissions Unit: CER COLOR PULVERIZER (E-62) (P058)

B. State Enforceable Section

- Applicable Emissions Limitations and/or Control Requirements
 - The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in 1. the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

Applicable Rules/ Requirements

Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

Facility ID: 02-47-04-0195

Emissions Unit: COLOR JETMILL (E-94) (P059)

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID:

COLOR JETMILL (E-94) (P059)

Activity Description:

COLOR JETMILL (E-94)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Limitations/Control Measures
blend	jet mill, East jet mill, conical ler with a fabric filter baghouse louse E-12808)	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 1.39 pounds per hour
		OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while
the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

IV. Reporting Requirements

 The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

V. Testing Requirements

Terms and Conditions for Emissions Units

- 1. Compliance with the particulate matter emission limitation of 1.39 pounds per hour shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.
- Compliance with the visible emission limitation shall be determined by using U.S. EPA Method 9, if required by the Ohio EPA.

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Facility ID: 02-47-04-0195

Emissions Unit: COLOR JETMILL (E-94) (P059)

VI. Miscellaneous Requirements

None

Title V Final Permit Terms and Conditions for Emissions Units

Facility ID: 02-47-04-0195

Emissions Unit: COLOR JETMILL (E-94) (P059)

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment

OAC rule 3745-31-05 PTI 02-4854

Applicable Rules/

Requirements

Applicable Emissions
Limitations/Control
Measures

West jet mill, East jet mill and conical blender with a fabric filter baghouse

Emissions of particulate matter shall not exceed 0.03 grain per dry standard cubic foot of exhaust gases and 0.93 pound per hour

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Regulrements

None

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance with the particulate matter emission limitations of Section B.I. of these terms and conditions shall be determined in accordance with OAC rule 3745-17-03(B)(10). No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in Section A.I.

VI. Miscellaneous Requirements